



## State of Nevada – Department Of Personnel

### CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
<b>BIOLOGIST IV</b>	<b>37</b>	<b>B</b>	<b>1.724</b>
<b>BIOLOGIST III</b>	<b>35</b>	<b>B</b>	<b>1.729</b>
<b>BIOLOGIST II</b>	<b>33</b>	<b>B</b>	<b>1.734</b>
<b>BIOLOGIST I</b>	<b>30</b>	<b>B</b>	<b>1.737</b>

### SERIES CONCEPT

Biologists conduct fisheries, wildlife and/or habitat management projects and research studies including data collection, analysis and interpretation; development and implementation of project proposals and work plans; preparation of recommendations; and public relations activities.

Supervise and participate in wildlife and habitat studies to protect and preserve the State's wildlife and natural resources; conduct wildlife surveys and inventories to determine a population's composition, productivity, reproductive status and condition in order to develop recommendations regarding hunting seasons, stocking practices and bag limits.

Organize and implement fish, wildlife and habitat surveys; identify survey areas and schedule required personnel, equipment and supplies; collect data using a variety of techniques and equipment such as field observation, helicopter and fixed-wing aircraft, electroshocking, population marking, tagging, angler/hunter questionnaires, bag checks and creel surveys.

Analyze data by applying mathematical and statistical formulas to calculate population status; prepare species distribution and density maps; evaluate trend data and document the status and management needs of fish, wildlife and habitat resources; prepare species and habitat management recommendations and technical reports.

Provide survey data and analysis as input to land management planning processes; review and evaluate established and proposed land, water and resource use documents; prepare correspondence and technical reports concerning the issues and consequences of proposed actions; appear before regulatory, governing and advisory boards and commissions to explain and defend the agency's position and answer questions.

Manipulate fish and wildlife populations and habitats by introducing species into suitable habitats consistent with biological and social constraints; bait and trap, tranquilize, radio collar or band wildlife and transport to selected locations; modify habitats in order to meet resource needs and associated uses; monitor released animals to assess project results.

Participate in enforcing wildlife, boating and other criminal laws as assigned; conduct foot and vehicular patrols; contact and interview anglers, hunters and non-hunters; check for proper licensing and issue citations and warnings; make arrests as appropriate; participate in special enforcement projects; and attend periodic training to maintain current certification as a peace officer.

Investigate and assess damage caused by wildlife upon private property and public lands; recommend appropriate courses of action to mitigate or resolve the problem.

Draft species management plans; develop season and harvest recommendations and implement related regulations; analyze and evaluate data, reports and proposals; make program recommendations in accordance with consumptive, non-consumptive and recreational needs of the public and the preservation of wildlife resources and habitats.

Perform related duties as assigned.

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Page 2 of 4

## CLASS CONCEPTS

**Biologist IV:** Under the general supervision of the Wildlife Regional Manager, directs the operation of Wildlife programs involving game, non-game, fish and habitat within a region, in addition to performing the full range of duties outlined in the series concept. Duties at this level include responsibility to:

Train, supervise and evaluate the performance of assigned personnel; identify training needs and ensure proficiency in required areas; prepare work performance standards; assign and review work; provide technical expertise to regional personnel and others.

Perform administrative duties such as authorizing purchases, allocating funds and monitoring budgets, overseeing equipment maintenance, and ensuring compliance with contractual agreements as well as policies and procedures.

**Biologist III:** Under general supervision, performs the full range of duties outlined in the series concept. This is the journey level in the series.

**Biologist II:** Under supervision, continues to receive training in conducting fisheries, wildlife and/or habitat management projects and field studies including data collection, analysis and interpretation; development and implementation of project proposals and work plans; preparation of recommendations; and public relations activities.

**Biologist I:** Under direct supervision, receives training in performing the full range of duties outlined in the series concept.

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## MINIMUM QUALIFICATIONS

### SPECIAL NOTES AND REQUIREMENTS:

- \* Pursuant to NRS 284.4066, some positions in this class have been identified as affecting public safety. Persons offered employment in this class, in these positions, must first submit to a pre-employment screening test for controlled substances.
- \* Some positions in this series may be required to obtain and maintain P.O.S.T. certification.

### BIOLOGIST IV

**EDUCATION AND EXPERIENCE:** Bachelor's degree from an accredited college or university in biology, wildlife management or closely related field and three years of professional experience in wildlife, fisheries or habitat management; **OR** one year at the Biologist III level in Nevada State service; **OR** an equivalent combination of education and experience. (*See Special Notes and Requirements*)

**ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES** (required at time of application):

**Working knowledge of:** fish, wildlife and habitat management activities including surveys, population analysis and data analysis. **General knowledge of:** scheduling personnel and equipment to accomplish and report results of wildlife surveys and inventory; basic principles of training and supervision; *and all knowledge, skills and abilities required at the lower levels in the series.*

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Page 3 of 4

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job): **Detailed knowledge of:** Division policies and procedures specific to the management of game, fisheries or habitat programs. **Ability to:** plan, organize and evaluate wildlife management projects and research studies in assigned program area; train, supervise and evaluate the performance of assigned personnel; assign and review work; evaluate work projects and results and ensure conformance to established policies.

### **BIOLOGIST III**

EDUCATION AND EXPERIENCE: Bachelor's degree from an accredited college or university in biology, wildlife management or closely related field and two years of professional wildlife management experience such as conducting research studies including data collection, analysis and interpretation; development and implementation of project proposals for fisheries, wildlife and/or habitat management projects; **OR** one year as a Biologist II in Nevada State service; **OR** an equivalent combination of education and experience. (*See Special Notes and Requirements*)

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

**Working knowledge of:** principles of ecology required to analyze the effect of environmental changes and land use practices on specific fish and wildlife species; survey techniques and equipment; statistical concepts and principles used to analyze data and develop a management strategy; methodology and equipment required to capture, restrain and transport wild animals; pharmacology and use of a variety of drugs administered to capture and treat animals; animal anatomy and physiology; operation of hand and power tools used in construction of wildlife enhancement projects. **Ability to:** write clear and concise technical reports and recommendations; present information to various audiences concerning ecological relationships, Division policies and recommendations, and wildlife control; maintain and operate various types of equipment such as nets, clover traps, tranquilizer equipment, gill net, and others; operate and maintain specialized equipment such as 4-wheel drive vehicles, boats, snowmobiles, optical instruments, animal marking and tagging equipment; conduct surveys from the ground, water or air; operate a microcomputer including word processing, spreadsheet, database management and other software; organize and prioritize work assignments; *and all knowledge, skills and abilities required at the lower level.*

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job): **Working knowledge of:** Division policies, procedures and programs to accomplish required tasks; survey techniques needed to collect biological data basic to wildlife management; Nevada Revised Statutes, Title 45, and Wildlife Commission policies and regulations; land management agencies' policies and programs for habitat management, resource planning and memoranda of understanding in order to analyze the effect of practices on wildlife; recreational demands of the public upon State and federal lands; the Division's statewide radio system used to communicate with other wildlife personnel.

### **BIOLOGIST II**

EDUCATION AND EXPERIENCE: Bachelor's degree from an accredited college or university in biology, wildlife management or closely related field and one year of professional wildlife management experience such as conducting research studies including data collection, analysis and interpretation; development and implementation of project proposals for fisheries, wildlife and/or habitat management projects; **OR** one year as a Biologist I in Nevada State service; **OR** an equivalent combination of education and experience. (*See Special Notes and Requirements*)

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

**General knowledge of:** principles of ecology required to analyze the effect of environmental changes and land use practices on specific fish and wildlife species; survey techniques and equipment; statistical concepts and principles used to analyze data and develop a management strategy; methodology and equipment required to capture, restrain and transport wild animals; pharmacology and use of a variety of drugs administered to

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Page 4 of 4

capture and treat animals; animal anatomy and physiology; operation of hand and power tools used in construction of wildlife enhancement projects. **Ability to:** write clear and concise reports; make oral presentations to various groups; maintain and operate various types of equipment such as entrapment devices; operate and maintain vehicles used in field surveys; participate in surveys from the ground, water or air; operate a microcomputer effectively; *and all knowledge, skills and abilities required at the lower level.*

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job):  
These are identical to the Entry Level Knowledge, Skills and Abilities required for Biologist III.

## **BIOLOGIST I**

EDUCATION AND EXPERIENCE: Bachelor's degree from an accredited college or university in biology, wildlife management or closely related field; **OR** an equivalent combination of education and professional experience in conducting research studies; data collection, analysis and interpretation; development and implementation of project proposals for fisheries, wildlife and/or habitat management projects. (*See Special Notes and Requirements*)

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

**General knowledge of:** technical and professional resource material such as biological abstracts and journals; mathematics required for data analysis; basic biological principles needed to formulate management recommendations; basic principles of ecology; scientific research methodology including data collection, analysis and interpretation; habitat requirements and life cycles of wildlife. **Ability to:** communicate effectively both orally and in writing; participate in wildlife surveys and field operations; interpret written materials such as regulations, policy statements and scientific literature related to wildlife; read and interpret a variety of maps; organize data and prepare charts, tables and graphs; assist in developing and evaluating wildlife management options.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job):  
These are identical to the Entry Level Knowledge, Skills and Abilities required for Biologist II.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

	<u>1.724</u>	<u>1.729</u>	<u>1.734</u>	<u>1.737</u>
ESTABLISHED:	8/1/68	8/1/68	6/4/96PC	8/1/68
REVISED:				4/1/70
REVISED:	6/15/72	6/15/72		
REVISED:				8/3/72
REVISED:	7/1/87-12P	7/1/87-12P		7/1/87-12P
	10/17/86PC	10/17/86PC		10/17/86PC
REVISED:		11/15/91PC		11/15/91PC
		9/24/93PC		9/24/93PC
REVISED:	7/1/97P	7/1/97P	7/1/97P	7/1/97P
	6/4/96PC	6/4/96PC	6/4/96PC	6/4/96PC